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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|------------------------|---------------------|------------------|
| 09/502,689 | 02/11/2000 | Vishwajith Kumbalimutt | 202413 | 5531 |

7590 08/04/2004

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EXAMINER

ALI, SYED J

ART UNIT PAPER NUMBER

2127

DATE MAILED: 08/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/502,689

Applicant(s)

KUMBALIMUTT ET AL.

Examiner

Syed J Ali

Art Unit

2127

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 May 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3-16,18-32,37 and 47-50 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3-16,18-32,37 and 47-50 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 February 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This office action is in response to the amendment filed May 3, 2004. Claims 1, 3-16, 18-32, 37, and 47-50 are presented for examination.
2. The text of those sections of Title 35, U.S. code not included in this office action can be found in a prior office action.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. **Claims 1, 3-5, 8-10, 16, 18-19, 22-23, 26-28, and 32 are rejected under 35 U.S.C. 102(b) as being anticipated by Doolan (USPN 5,764,955).**

5. As per claim 1, Doolan teaches the invention as claimed, including a management model for managing at least resources and tasks in a computerized enterprise system, comprising:

a user interface (col. 12 lines 51-57);

a common information model object manager [CIMOM] exposing a first plurality of standard interfaces, said CIMOM in communication with said user interface through one of said first plurality of standard interfaces (col. 11 lines 15-44);

at least one provider decoupled from said user interface and communicating with said CIMOM via another of said first plurality of standard interfaces, said provider exposing a second standard interface to allow management of the enterprise system resources and tasks at the provider level (col. 11 lines 15-44; col. 12 line 59 - col. 13 line 5); and

wherein said at least one provider performs syntax and semantic checks on input received from a user via said user interface and passed via said CIMOM (col. 12 lines 13-32).

6. As per claim 3, Doolan teaches the invention as claimed, including the model of claim 1, wherein said user interface performs essentially no syntax and semantic checks of said inputs (col. 12 lines 13-32).

7. As per claim 4, Doolan teaches the invention as claimed, including the model of claim 1, wherein said second standard interface exposed by said provider includes command methods for getting and setting attribute values (col. 9 lines 46-52).

8. As per claim 5, Doolan teaches the invention as claimed, including the model of claim 4, wherein said command methods for getting and setting attribute values are exposed for only particular attributes of said system resources and tasks based on privileges contained in a user profile (col. 12 lines 33-50).

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9. As per claim 8, Doolan teaches the invention as claimed, including the model of claim 1, further comprising an active directory [AD] containing system resource information (col. 12 lines 33-50).

10. As per claim 9, Doolan teaches the invention as claimed, including the model of claim 8, wherein system resource information includes at least one user profile (col. 12 lines 33-50).

11. As per claim 10, Doolan teaches the invention as claimed, including the model of claim 1, wherein said second standard interface exposed by said provider includes command methods for saving and restoring configuration data (col. 12 lines 33-50).

12. As per claim 16, Doolan teaches the invention as claimed, including a computer-readable medium having computer-executable components, comprising:

a user interface component for providing information to and receiving data and commands from a user (col. 12 lines 51-57);

a common information model object manager [CIMOM] component for exposing a first plurality of standard interfaces, said CIMOM in communication with said user interface through one of said first plurality of standard interfaces (col. 11 lines 15-44);

at least one provider component for exposing a second standard interface to allow management of an enterprise system resources and tasks at the provider level, said provider component communicating with said CIMOM via another of said first plurality of standard interfaces (col. 11 lines 15-44; col. 12 line 59 - col. 13 line 5); and

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wherein said at least one provider performs syntax and semantic checks on input received from a user via said user interface and passed via said CIMOM component (col. 12 lines 13-32).

13. As per claim 18, Doolan teaches the invention as claimed, including the computer-readable medium of claim 16, wherein said second standard interface exposed by said provider component includes command methods for getting and setting attribute values (col. 9 lines 46-52).

14. As per claim 19, Doolan teaches the invention as claimed, including the computer-readable medium of claim 16, further comprising a database component for storing at least a user profile (col. 12 lines 33-50), and wherein command methods for getting and setting attribute values are exposed for only particular attributes of said system resources and tasks based on privileges contained in said user profile (col. 12 lines 33-50).

15. As per claim 22, Doolan teaches the invention as claimed, including the computer-readable medium of claim 16, further comprising a directory component for storing system resource information (col. 12 lines 33-50).

16. As per claim 23, Doolan teaches the invention as claimed, including the computer-readable medium of claim 16, wherein said second standard interface exposed

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by said provider component includes command methods for saving and restoring configuration data (col. 12 lines 33-50).

17. As per claim 26, Doolan teaches the invention as claimed, including a computer-readable medium having a computer-executable management system provider component including computer-executable instructions for performing the steps of:

exposing a standard interface (col. 11 lines 15-44);

receiving information via the standard interface relating to management of at least one of an enterprise resource and task (col. 11 lines 15-44; col. 12 lines 51-57); and

performing syntax and semantic checks on the information (col. 12 lines 13-32).

18. As per claim 27, Doolan teaches the invention as claimed, including the computer-readable medium of claim 26, wherein said computer-executable management system provider component further includes computer-executable instructions for performing the steps of getting and setting an attribute value (col. 9 lines 46-52).

19. As per claim 28, Doolan teaches the invention as claimed, including the computer-readable medium of claim 27, wherein said computer-executable management system provider component further includes computer-executable instructions for performing the step of extracting user profile information from an external database, and wherein said steps of getting and setting an attribute value are exposed for particular attribute values based on the user profile (col. 12 lines 33-50).

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20. As per claim 32, Doolan teaches the invention as claimed, including the computer-readable medium of claim 26, wherein said computer-executable management system provider component further includes computer-executable instructions for performing the steps of saving and restoring enterprise configuration data to and from an external memory component (col. 12 lines 33-50).

21. **Claim 47 is rejected under 35 U.S.C. 102(e) as being anticipated by Humpleman et al. (USPN 6,288,716) (hereinafter Humpleman).**

22. As per claim 47, Humpleman teaches the invention as claimed, including in a computer system having a graphical user interface including a display and a user interface selection device, a method of providing and selecting management tasks and resources, comprising the steps of:

providing a display having multiple panes (col. 7 line 61 - col. 18 line 11; Fig. 11, elements 704, 706, 708, and 902);

displaying a list of elements available for management in one of said panes (col. 7 line 61 - col. 18 line 11; Fig. 11, elements 712); and

displaying data relating to active index items in another of said panes upon selection of one of said elements of said list (col. 7 line 61 - col. 18 line 11; Fig. 11, elements 804, 806, 904, 906).

Claim Rejections - 35 USC § 103

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23. **Claims 6-7, 14-15 20-21, 29-31, and 48-49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Doolan.**

24. As per claim 6, Doolan does not specifically teach the invention as claimed, including the model of claim 1, wherein said second standard interface exposed by said provider includes a command method for getting help strings.

25. "Official Notice" is taken that it would have been obvious to one of ordinary skill in the art to include a command method for getting help strings. Specifically, the use of a command method to get help strings is intended by Applicant as a means of aiding in the getting or setting of attributes (Specification, paragraphs 0059-0060). As Doolan teaches command methods for getting and setting attributes (col. 9 lines 46-65), the management of attributes is sufficiently supported. If any of the attributes had sub-contexts, methods to manage those sub-contexts would have been an obvious modification. Additionally, Doolan does teach the automatic management of sub-objects (col. 9 lines 57-60), but does not explicitly state that help strings are used when no parameter is specified.

26. As per claim 7, Doolan teaches the invention as claimed, including a management model for managing at least resources and tasks in a computerized enterprise system, comprising:

a user interface (col. 12 lines 51-57);

a common information model object manager [CIMOM] exposing a first plurality of standard interfaces, said CIMOM in communication with said user interface through one of said first plurality of standard interfaces (col. 11 lines 15-44);

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at least one provider decoupled from said user interface and communicating with said CIMOM via another of said first plurality of standard interfaces, said provider exposing a second standard interface to allow management of the enterprise system resources and tasks at the provider level (col. 11 lines 15-44; col. 12 line 59 - col. 13 line 5);

27. Although Doolan does not specifically teach the invention as claimed, including wherein said second standard interface exposed by said provider includes a command method for getting help strings and wherein said command method for getting help strings are exposed based on an expertise level contained in a user profile, such would have been obvious to one of ordinary skill in the art as discussed above in reference to paragraph 25.

28. As per claims 14-15, Doolan does not explicitly teach said user interface comprises a command line interface [CLI] or a Web browser. However, such interfaces fall comfortably within the scope of the disclosure of Doolan. Specifically, the use of a command line interface is well known and expected in the art, and is a common type of interface in systems such as UNIX and MS-DOS. Also, Web interfaces are prevalent within computing systems, particularly with the advent of Java programming and other networked environments. Additionally, these systems support the other limitations of the parent claim, such as multi-user support, directory services, and interaction with standard interfaces.

29. As per claim 20, although Doolan does not specifically teach the invention as claimed, including the computer-readable medium of claim 16, wherein said second

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standard interface exposed by said provider includes a command method for getting help strings, such would have been obvious to one of ordinary skill in the art as discussed above in reference to paragraph 25.

30. As per claim 21, Doolan teaches the invention as claimed, including a computer-readable medium having computer-executable components, comprising:

- a user interface component for providing information to and receiving data and commands from a user (col. 12 lines 51-57);

- a common information model object manager [CIMOM] component for exposing a first plurality of standard interfaces, said CIMOM in communication with said user interface through one of said first plurality of standard interfaces (col. 11 lines 15-44);

- at least one provider component for exposing a second standard interface to allow management of an enterprise system resources and tasks at the provider level, said provider component communicating with said CIMOM via another of said first plurality of standard interfaces (col. 11 lines 15-44; col. 12 line 59 - col. 13 line 5);

- a database component for storing at least a user profile (col. 12 lines 33-50);

31. Although Doolan does not specifically teach the invention as claimed, including wherein said second standard interface exposed by said provider includes a command method for getting help strings and wherein said command method for getting help strings are exposed based on an expertise level contained in a user profile, such would have been obvious to one of ordinary skill in the art as discussed above in reference to paragraph 25.

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32. As per claim 29, although Doolan does not specifically teach the invention as claimed, including the computer-readable medium of claim 26, wherein said second standard interface exposed by said provider includes a command method for getting help strings, such would have been obvious to one of ordinary skill in the art as discussed above in reference to paragraph 25.

33. As per claim 30, Doolan teaches the invention as claimed, including a computer-readable medium having a computer-executable management system provider component including computer-executable instructions for performing the steps of:

exposing a standard interface (col. 11 lines 15-44);

receiving information via the standard interface relating to management of at least one of an enterprise resource and task (col. 11 lines 15-44; col. 12 lines 51-57);

performing syntax and semantic checks on the information (col. 12 lines 13-32);

and

wherein said computer-executable management system provider component further includes computer-executable instructions for performing the step of extracting user language preference information from an external component (col. 11 line 65 - col. 12 line 12).

34. Although Doolan does not specifically teach the invention as claimed, including wherein said second standard interface exposed by said provider includes a command method for getting help strings and wherein said command method for getting help strings are exposed based on an expertise level contained in a user profile, such would

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have been obvious to one of ordinary skill in the art as discussed above in reference to paragraph 25.

35. As per claim 31, Doolan teaches the invention as claimed, including a computer-readable medium having a computer-executable management system provider component including computer-executable instructions for performing the steps of:

exposing a standard interface (col. 11 lines 15-44);

receiving information via the standard interface relating to management of at least one of an enterprise resource and task (col. 11 lines 15-44; col. 12 lines 51-57);

performing syntax and semantic checks on the information (col. 12 lines 13-32);
and

wherein said computer-executable management system provider component further includes computer-executable instructions for performing the step of extracting user profile information from an external database (col. 12 lines 33-50).

36. Although Doolan does not specifically teach the invention as claimed, including wherein said second standard interface exposed by said provider includes a command method for getting help strings and wherein said command method for getting help strings are exposed based on an expertise level contained in a user profile, such would have been obvious to one of ordinary skill in the art as discussed above in reference to paragraph 25.

37. As per claims 48-49, Doolan does not explicitly teach said first plurality of standard interfaces exposed by said CIMOM are COM interfaces. However, such

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interfaces fall comfortably within the scope of the disclosure of Doolan. Specifically, Doolan teaches that the object manager may control any number of network elements exposing any number of different types of interfaces (col. 11 lines 15-44). Dictionaries are provided to perform the necessary syntax and semantic checks, and as long as the proper dictionaries are available, any type of interface is compatible with the manager, thereby providing greater scalability.

38. Claims 11-13, 24-25, and 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Doolan in view of Das et al. (USPN 6,493,688) (hereinafter Das).

39. As per claim 11, Doolan teaches the invention as claimed, including a management model for managing at least resources and tasks in a computerized enterprise system, comprising:

a user interface (col. 12 lines 51-57);

a common information model object manager [CIMOM] exposing a first plurality of standard interfaces, said CIMOM in communication with said user interface through one of said first plurality of standard interfaces (col. 11 lines 15-44); and

at least one provider decoupled from said user interface and communicating with said CIMOM via another of said first plurality of standard interfaces, said provider exposing a second standard interface to allow management of the enterprise system resources and tasks at the provider level (col. 11 lines 15-44; col. 12 line 59 - col. 13 line 5).

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40. Das teaches the invention as claimed, including the following limitations not shown by Doolan:

wherein said provider dynamically localizes a language of said user interface (col. 1 lines 41-63).

41. It would have been obvious to one of ordinary skill in the art to combine Doolan with Das since in today's computing environment, global scalability is essential to a product's success or failure. Therefore, by allowing the model to be modified to suit language preferences of different users, it may become available to more people to use in a user-friendly manner, thereby increasing the potential distribution.

42. As per claim 12, Das teaches the invention as claimed, including the model of claim 11, wherein said user interface comprises a Web browser, and wherein said provider dynamically localizes a language of said user interface based on a sensed language preference of said Web browser (col. 1 lines 41-63).

43. As per claim 13, Doolan teaches the invention as claimed, including the model of claim 11, wherein said provider dynamically localizes a language of said user interface based on settings in a user profile (col. 11 line 65 - col. 12 line 12; col. 12 lines 33-50).

44. As per claim 24, Doolan teaches the invention as claimed, including a computer-readable medium having computer-executable components, comprising:

a user interface component for providing information to and receiving data and commands from a user (col. 12 lines 51-57);

a common information model object manager [CIMOM] component for exposing a first plurality of standard interfaces, said CIMOM in communication with said user interface through one of said first plurality of standard interfaces (col. 11 lines 15-44); and

at least one provider component for exposing a second standard interface to allow management of an enterprise system resources and tasks at the provider level, said provider component communicating with said CIMOM via another of said first plurality of standard interfaces (col. 11 lines 15-44; col. 12 line 59 - col. 13 line 5).

45. Das teaches the invention as claimed, including the following limitations not shown by Doolan:

wherein said provider dynamically localizes a language of said user interface (col. 1 lines 41-63).

46. As per claim 25, Das teaches the invention as claimed, including the computer-readable medium of claim 24, wherein said user interface component comprises a Web browser component, and wherein said provider component dynamically localizes a language of said user interface based on a sensed language preference of said Web browser (col. 1 lines 41-63).

47. As per claim 50, Doolan teaches the invention as claimed, including a method of dynamically localizing a user interface which exposes and allows access to an element of an enterprise system to be managed, comprising the steps of:

implementing at least one provider for the element, said provider providing a standard interface to allow management of the element via a user interface (col. 11 lines 15-44; col. 12 line 59 - col. 13 line 5).

48. Das teaches the invention as claimed, including the following limitations not shown by Doolan:

extracting language preference information for a user (col. 1 lines 41-63); and
dynamically localizing the user interface based on the language preference information (col. 1 lines 41-63).

49. **Claim 37 is rejected under 35 U.S.C. 103(a) as being unpatentable over Doolan in view of Johnson, II et al. (USPN 6,397,245) (hereinafter Johnson).**

50. As per claim 37, Doolan teaches the invention as claimed, including a method of exposing an element of an enterprise system to be managed, comprising the steps of:

defining at least one user interface component to expose and allow access to the element on a user interface (col. 12 lines 51-57);

implementing at least one provider for the element, said provider providing a class definition and generating instances of the class to which the element belongs (col. 7 lines 47-64), said provider further providing a standard interface to allow management of the element via the at least one user interface (col. 11 lines 15-44; col. 12 line 59 - col. 13 line 5).

51. Johnson teaches the invention as claimed, including the following limitations not shown by Doolan:

wherein said user interface component is a Web user interface (col. 8 lines 24-59), and wherein the step of defining at least one user interface component to expose and allow access to the element on a user interface comprises the steps of:

defining Web elements that add links to the managed element in a Web UI framework (col. 8 lines 24-59), and

implementing ASP scripts that implement the at least one provider (col. 8 lines 24-59).

52. Doolan, when taken in combination with Johnson suggests wherein the step of implementing ASP scripts comprises the step of localizing a language of the ASP scripts (col. 11 line 65 - col. 12 line 12; col. 12 lines 33-50).

53. It would have been obvious to one of ordinary skill in the art to combine Doolan with Johnson since ASP scripting is a well established means of implementing program modules within a web page, while simulatenously providing an easy to use interface, such as a web browser. Additionally, since the management system of Doolan supports many types of user interfaces, the use of the ASP scripting language would be an obvious modification to the user interface, since it would easily implement the data structures needed to define resource objects, in addition to any other functionality..

Response to Arguments

54. Applicant's arguments with respect to claims 1, 3-16, 18-32, 37, and 47-50 have been considered but are moot in view of the new grounds of rejection.

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Conclusion

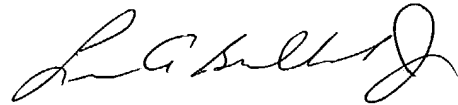
55. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed J Ali whose telephone number is (703) 305-8106. The examiner can normally be reached on Mon-Fri 8-5:30, 2nd Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai T An can be reached on (703) 305-9678. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.



Syed Ali
July 6, 2004



LEWIS A. BULLOCK, JR.
PRIMARY EXAMINER